NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

First & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

SBR No: 39/14-15
No. B 30.04.2014
192420

BR-42/304/14

Serial No. .....
Name of work ... Improvements to Main Road and Cross roads at BEL 2nd Block in ward No-10, Vidyaranyapura Sub-division.
Name of Contractor of nature of Agency ... KRIDL
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work Code NO; OLO-14-000047.						
	Work order NO; EE/BTP/BBMP/KRIDL/W10/621/2013-14, Dt 05-03-2014.						
	Address of Agency; #119, 11th cross Road, Silvestra Arched, 3rd Floor, East Park Road, Malleshwaram, Bangalore-03.						
	Agreement NO: EE/BTP/BBMP/K/621/2013-14; Dt 5-3-2014.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 5-3-2014						
1)	Earthwork excavation by manual means in Hard Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.50m, excavated Surface levelled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per Specifications.						
	5th Cross BEL Jow LHS	1	x30.00	x1.00	x0.90	= 27.00m³	
		1	x30.00	x1.00	x0.90	= 27.00m³	
		1	x30.00	x1.00	x0.90	= 27.00m³	
		1	x30.00	x1.00	x0.90	= 27.00m³	
		1	x30.00	x1.00	x0.90	= 27.00m³	
		1	x6.60	x1.00	x0.80	= 5.94m³	
	5th Cross BEL Layout RHS	1	x37.10	x1.00	x0.90	= 33.39m³	
		1	x31.20	x1.00	x0.90	= 28.08m³	
		1	x31.20	x1.00	x0.90	= 28.08m³	

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M. A. R. 5
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Serial No. ..... From .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Narasiddhivinayak Temple opp Road RHS	1 x
		1 x
		1 x
		1 x
	11 LHS	1
		1
		1
		1
		1

NT BOOK

ensions			Reference to last Measurement 8
Breadth 5	Depth 6	Contents 7	
- 2014			
in Hard Soil involving an average n average lift upto 0.5m, excavated el. ful disposed earth to be leveled plete as per Specifications.			
.00	x0.90 =	27.00m3	
.00	x0.90 =	27.00m3	
00	x0.90 =	27.00m3	
00	x0.90 =	27.00m3	
00	x0.90 =	27.00m3	
00	x0.90 =	5.94m3	
00	x0.90 =	33.39m3	
00	x0.90 =	28.08m3	
00	x0.90 =	28.08m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To 192421

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Narasiddhivinayak Temple opp Road RHS	1	x30.50	x1.00	x0.90 =	27.45m3	
		1	x30.00	x1.00	x0.90 =	27.00m3	
		1	x30.00	x1.00	x0.90 =	27.00m3	
		1	x30.00	x1.00	x0.90 =	27.00m3	
		1	x5.60	x1.00	x0.90 =	5.04m3	
	" LHS	1	x30.00	x1.00	x0.90 =	27.00m3	
		1	x30.00	x1.00	x0.90 =	27.00m3	
		1	x30.00	x1.00	x0.90 =	27.00m3	
		1	x5.80	x1.00	x0.90 =	5.22m3	
		1	x30.00	x1.00	x0.90 =	27.00m3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	x16.20	x1.00	x0.90 =	14.58m3	
					Total =	471.78m3	
					Qty limited to Tender =	470.70m3	
			@RS 90.72			RS 42702.00	
						Jodhan AE 5/3/2014	
	Measurement continued on 10/3/2014						
2)	Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180kgs using 40mm and down size graded metal, coarse aggregate @0.85 cum and fine aggregate @ 0.58 cum machine.						
	Str Cr/S BEL Layout LHS	1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x30.00	x1.00	x0.15 =	4.50m3	

M. A. R. 5
Measure

Serial No. ..... From .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	L
1	2	3	
		1	x3
		1	x6
	" " RHS	1	x3
		1	x3
		1	x3
		1	x3
	Varasiddivinayaka Temple	1	x3
	OPP Road RHS	1	x3
		1	x3
		1	x3
		1	x3

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
1.00	x0.90 =	14.58m3	
	Total =	471.78m3	
Tender	=	470.70m3	C&Fc
		RS 42702.00	
		Jodha AE 5/3/2014	
ement concrete of mix M 7.5 with			
wn size graded metal, coke aggregate			
machine			
.00	x0.15 =	4.50m3	
.00	x0.15 =	4.50m3	
.00	x0.15 =	4.50m3	C&Fc
.00	x0.15 =	4.50m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192422

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x6.60	x1.00	x0.15 =	0.99m3	
	" " RHS	1	x37.10	x1.00	x0.15 =	5.57m3	
		1	x31.20	x1.00	x0.15 =	4.68m3	
		1	x31.20	x1.00	x0.15 =	4.68m3	
		1	x30.50	x1.00	x0.15 =	4.58m3	
	Varasiddivinayaka Temple opp Road RHS	1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x30.00	x1.00	x0.15 =	4.50m3	
		1	x5.60	x1.00	x0.15 =	0.84m3	C&Fc

BOOK

s		Contents	Reference to last Measurement
dth	Depth 6	7	8
	x0.60 =	72.00m²	
	x0.60 =	72.00m²	
	x0.60 =	13.44m²	
	x0.60 =	72.00m²	
	x0.60 =	72.00m²	
	x0.60 =	72.00m²	
	x0.60 =	13.92m²	
	x0.60 =	72.00m²	
	x0.60 =	38.88m²	
	Total =	1258.08m²	
	Tender =	1255.20m²	

C/Fc

Rs 340260.00

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AE 16/3/2014

M. A. R. 57 (Rule 116)
Measurement Book

No. B

192424

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Measurement continued on 20/3/2014						
	4) providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs with 20mm and down size graded granite metal coarse aggregates @ 0.8 ton and fine aggregates @						
	Bottom Concrete Stn Cross BEL Layout LHS	1	x30.00	x1.00	x0.15 =	4.50m³	
		1	x30.00	x1.00	x0.15 =	4.50m³	
		1	x30.00	x1.00	x0.15 =	4.50m³	
		1	x30.00	x1.00	x0.15 =	4.50m³	
		1	x30.00	x1.00	x0.15 =	4.50m³	
		1	x6.60	x1.00	x0.15 =	0.99m³	
	11 11 RHS	1	x37.10	x1.00	x0.15 =	5.57m³	

C/Fc

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	x31.20	x1.00	x0.15	= 4.68m3	
		1	x31.20	x1.00	x0.15	= 4.68m3	
		1	x30.50	x1.00	x0.15	= 4.58m3	
	Varusiddivinayak Temple	1	x30.00	x1.00	x0.15	= 4.50m3	
	OPP Road RHS	1	x30.00	x1.00	x0.15	= 4.50m3	
		1	x30.00	x1.00	x0.15	= 4.50m3	
		1	x5.60	x1.00	x0.15	= 0.84m3	
	,, ,, ,, LHS	1	x30.00	x1.00	x0.15	= 4.50m3	
		1	x30.00	x1.00	x0.15	= 4.50m3	
		1	x30.00	x1.00	x0.15	= 4.50m3	
		1	x5.80	x1.00	x0.15	= 0.87m3	
		1	x30.00	x1.00	x0.15	= 4.50m3	
	Sidewalls	1	x16.20	x1.00	x0.15	= 2.43m3	
	Bottom Cover 5th Cross LHS	2	x30.00	x0.15	x0.60	= 5.40m3	

M. A. R. 57 (F
Measureme

Serial No. ..... From .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dim	
		Number	Length
1	2	3	4
		2	x30.0
		2	x30.0
		2	x30.0
		2	x30.0
		2	x6.6
	5th Cross BEL Layout RHS	2	x37.
		2	x31.2
		2	x31.2
		2	x30.5
	Varusiddivinayaka Temple	2	x30.
	OPP road RHS	2	x30.

BOOK

...ons		Contents	Reference to last Measurement
...eadth 5	Depth 6	7	8
...00	x0.15	= 4.68m3	
...00	x0.15	= 4.68m3	
...00	x0.15	= 4.58m3	
...0	x0.15	= 4.50m3	
...0	x0.15	= 4.50m3	
...0	x0.15	= 4.50m3	
...0	x0.15	= 0.84m3	
...0	x0.15	= 4.50m3	
...0	x0.15	= 4.50m3	
...0	x0.15	= 4.50m3	
...	x0.15	= 0.87m3	
...	x0.15	= 4.50m3	
...	x0.15	= 2.43m3	
...	x0.60	= 5.40m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

192425

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	x30.00	x0.15	x0.60 =	5.40m3	
		2	x30.00	x0.15	x0.60 =	5.40m3	
		2	x30.00	x0.15	x0.50 =	4.50m3	
		2	x30.00	x0.15	x0.50 =	4.50m3	
		2	x6.60	x0.15	x0.55 =	1.09m3	
	5th Cross BEL Layout RMS	2	x37.10	x0.15	x0.60 =	6.68m3	
		2	x31.20	x0.15	x0.60 =	5.62m3	
		2	x31.20	x0.15	x0.55 =	5.15m3	
		2	x30.50	x0.15	x0.50 =	4.58m3	
	Varasiddivinayaka Temple Opp road RMS	2	x30.00	x0.15	x0.50 =	4.50m3	
		2	x30.00	x0.15	x0.50 =	4.50m3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	" " OPP Road LHS	2	x30.00	x0.15	x0.60 =	5.40m3	
		2	x5.60	x0.15	x0.60 =	1.01m3	
		2	x30.00	x0.15	x0.55 =	4.95m3	
		2	x30.00	x0.15	x0.55 =	4.95m3	
		2	x30.00	x0.15	x0.50 =	4.50m3	
		2	x5.80	x0.15	x0.55 =	0.96m3	
		2	x30.00	x0.15	x0.55 =	4.95m3	
		2	x16.20	x0.15	x0.50 =	2.43m3	
					Total =	165.08m3	
					=	164.75m3	
		Qty limited to tender					
		@ Rs 5639.76				Rs 929150.00	

30/04/14

5) Measurement continued on 30/4/2014
Providing TMT Steel reinforcement for R.C.C work including Straightening, Cutting, bending, hooking, placing in position lapping /or welding

Qty Vide Page no 4 of this M.B. 89 as

6) Providing granolithic Slabs of cement mortar (1:6) includ... 5th Coat BBL Layout LHS

Qty
Ex. Engr.
Sub. Dn.

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

T BOOK

nsions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
0·15	x0·60 =	5·40m3	
0·15	x0·60 =	1·01m3	
0·15	x0·55 =	4·95m3	
0·15	x0·55 =	4·95m3	
0·15	x0·50 =	4·50m3	
0·15	x0·55 =	0·96m3	
0·15	x0·55 =	4·95m3	
0·15	x0·50 =	2·43m3	
	Total =	165·08m3	
o tender =		164·75m3	
539.76			
c work including Straightening,			
Platform tapping for curveing			

Qfc

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Ex.E. Engr. 30/4

S.D. Dn.

Badha AE 2013/2014 RS 92950.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192426

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page end from 192492 to 192493 of this M.B 8928 @ RS 7450.92					= 98.85qtl	Badha AE 30/4/2014 RS 736523.00
	6) Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing drawing etc complete (Cons this work Sth Cons BBL Layout Rds	1	x30.00		x0.90	= 27.00m2	
		1	x30.00		x0.90	= 27.00m2	
		1	x30.00		x0.90	= 27.00m2	
		1	x30.00		x0.90	= 27.00m2	

Qfc

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5th cross BFC RHS	1	x30.00		x0.90 =	27.00m²	
		1	x6.60		x0.90 =	5.94m²	
		1	x37.10		x0.90 =	33.39m²	
		1	x31.20		x0.90 =	28.08m²	
		1	x31.20		x0.90 =	28.08m²	
		1	x30.50		x0.90 =	27.45m²	
	Varasiddhivinayaka Temple Opp Road RHS	1	x30.00		x0.90 =	27.00m²	
		1	x30.00		x0.90 =	27.00m²	
		1	x30.00		x0.90 =	27.00m²	
		1	x5.60		x0.90 =	5.04m²	
	" " RHS	1	x30.00		x0.90 =	27.00m²	
		1	x30.00		x0.90 =	27.00m²	
		1	x30.00		x0.90 =	27.00m²	
		1	x5.80		x0.90 =	5.22m²	

BFC

M. A. R. 5
Measure

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		1 x
		1 x
	Solution	
	7) Providing chamfering edges to S	
	Only chamfered length shall be	
	1164	

IT BOOK

nsions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	x0.90 =	27.00m²	
	x0.90 =	5.94m²	
	x0.90 =	33.39m²	
	x0.90 =	28.08m²	
	x0.90 =	28.08m²	
	x0.90 =	27.45m²	
	x0.90 =	27.00m²	
	x0.90 =	27.00m²	
	x0.90 =	27.00m²	
	x0.90 =	5.04m²	
	x0.90 =	27.00m²	
	x0.90 =	27.00m²	
	x0.90 =	27.00m²	
	x0.90 =	5.22m²	

C&Fc

M. A. R. 57 (Rule 116)
Measurement Book

No. B
192427

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	x30.00		x0.90 =	27.00m²	
		1	x16.20		x0.90 =	14.58m²	
					Total =	41.78m²	
					Qty limited Tendor =	470.70m²	
					@ Rs 579.96	Rs 272987.00	
	Solution					Sadhana AE 30/4/2014	
	7) Providing chamfering edges to Stone Slab 2.5cms wide as per Specifications Only Chamfered length shall be recorded						
		1164	x2.70			= 3142.80 Meters	

C&Fc

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ಯಲಹಂಕ ಬಲಯ,
ಬೃ ಬೆಂ. ಮ ಪಾ. ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	16.20		x 0.90 =	14.58 m²	
					Total =	471.78 m²	
					Qty limited to tender =	470.709 m²	
					@ RS 731.16	RS 344157.00	
						Jadhav AE 30/4/2014	
	9) Lead for Disposal of Debris shall be payable at carriage rates by mechanical means including loading and unloading from 0.00 to 2000 m.						
					Qty Vide Item no 1	= 456.58 m²	
					@ RS 72.71	RS 33198.00	
						Sub Total RS 3124542.00	

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Mea

Serial No. .....
Name of work ..... From
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Add 1% for KRIDL Cha	
	Add 1% for QC Charges	
	(Rupees Thirty four Lakhs s Seven only).	
	Certificate:	
	Certified that the above	
	issued from depart	

K

	Contents	Reference to last Measurement
epth 6	7	8
go =	14.58m²	
al =	471.78m²	
=	470.70m²	
	RS 344157.00	
	Jodhan AE 30/4/2014	
t carriage rates by mechanic		
0.00 to 200kg.		
=	458.58m²	
	RS 33498.00	
Sub Total RS		3124542.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 192429

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

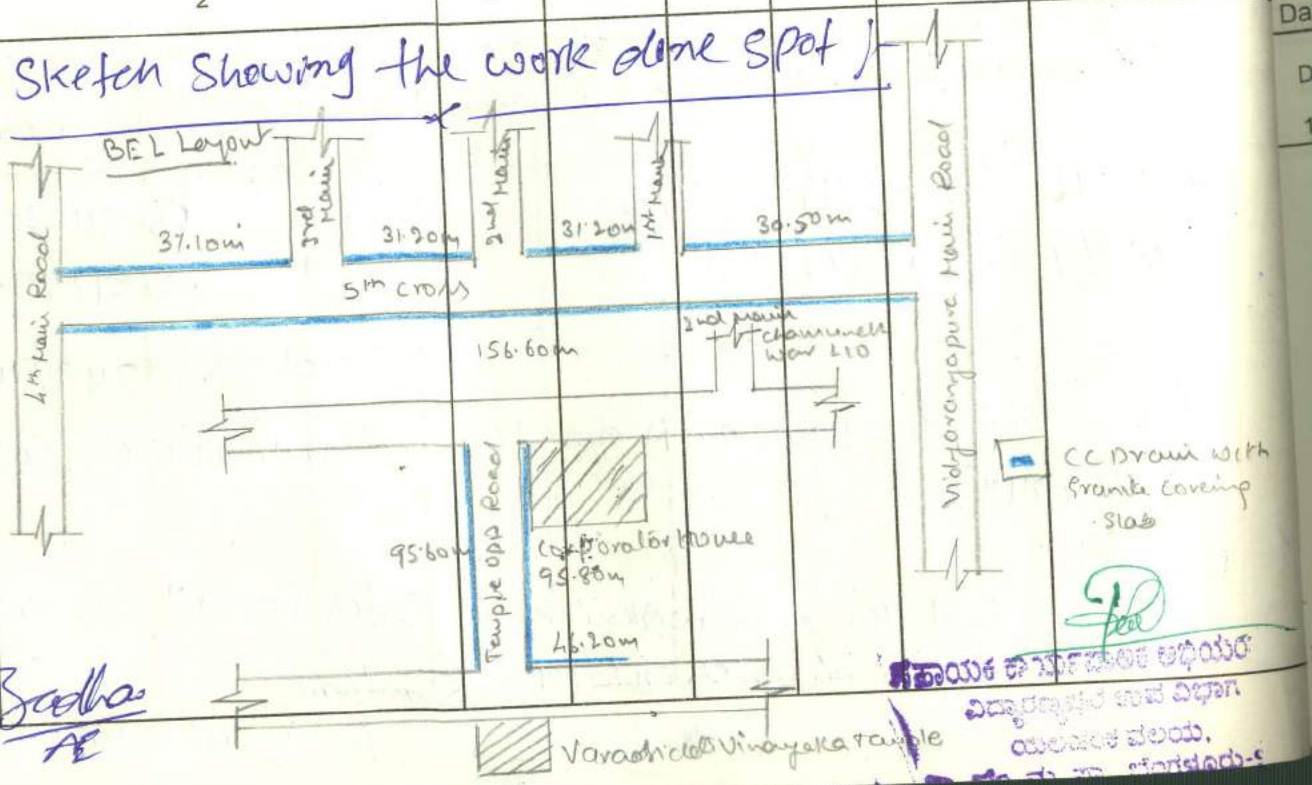
Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Add 11% for KRIDL charges					RS 343700.00	
	Add 1% for QC charges					RS 31245.00	
						Total RS 3499487.00	
	(Rupees Thirty four lakhs ninety nine thousand four hundred eighty seven only).						3468237=00
	Certificate: Certified that the above work done is satisfactory and no enactment issued from department till date						
						Jodhan AE 30/4/2014.	

C&A 30/4/14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Sketch Showing the work done Spot



Basha
AE

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	

3468
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ns			
eadth 5	Depth 6	Contents 7	Reference to last Measurement 8
- Spot)			
30.50 m		Vidyaranyapura Main Road	
		CC Drain with Granite Covering Slab	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,

57 (Rule 116)
ment Book

No. B
192430

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	3468237=00 502472=00 2965765=00 Krishnajoshi K ದೊಡ್ಡಬಿದರಕಲ್ಲು			IT - 69365 WT - 138729 FSD - 225435 KWL - 34682 GBF - 3468 Roy - 30793 Total 502472=00			